

ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	Non-vertical lines divide the plane into _____ half plane:	A. Upper and lower B. Many C. Left and Right D. None of these
2	A corner point is the point of intersection of:	A. x-axis & y - axis B. Boundary lines C. Any two lines D. None
3	$-4 < y < 4$ is the solution of the following:	A. $y = 5$ B. $y = 3$ C. $y = -4$ D. $y = 4$
4	The inequality $y > b$ is the open half plane to the _____ of the boundary line $y = b$:	A. Above B. Left C. Below D. Right
5	A point of a solution region where two of its boundary lines intersects is called a _____ point of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. At B. Not on C. On D. None of these
7	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
8	$x = a$ is a vertical line perpendicular to _____.	A. x - axis B. x - axis may be C. y - axis D. None of these
9	For different values of k, the equation $4x + 5y = k$ represents lines _____ to the line $4x + 5y = 0$.	A. Perpendicular B. Parallel C. Equal D. None of these
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Left or right B. Upper or lower C. Open D. None of these
11	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Open B. Closed C. Open as well as closed D. None of these
13	$ax + b > c$ is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
14	$ax + by < c$ is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
15	$x = 2$ is a vertical line perpendicular to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these

16	A function, which is to be maximized or minimized is called an _____:	A. Maximum function B. Objective function C. Minimum function D. None of these
17	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
18	(1, 0) is the solution of inequality :	A. $7x + 2y < 8$ B. $x - 3y < 0$ C. $3x + 5y > 6$ D. $-3x + 5y > 2$
19	The feasible solution, which maximizes or minimizes the objective function, is called the _____:	A. Maximum solution B. Optimal solution C. Minimum solutions D. None of these
20	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices